



120203 U.S. PTO

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Patent, Trademark and Copyright Causes  
 Unfair Competition, Trade Secrets,  
 Licensing and Litigation

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\* Practice limited to Matters and Proceedings  
 before Federal Courts and Agencies; not  
 Admitted in DC

\*\* Registered Patent Agent: not Admitted in DC

**FORM PTO-1082**

TRANSMITTAL FOR NEW U.S. PATENT APPLICATION

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Re: New U.S. Patent Application  
 For: BALL GRID ARRAY PACKAGE WITH HEAT SINK DEVICE  
 Inventor(s): Chung-Ju WU et al.  
 Attorney Docket: 82547

Sir:

Attached hereto is the application identified above, including:

25 Pages Application Consisting of:  
14 Pages of Textual Specification  
6 Pages of 20 Claims  
1 Abstract of the Disclosure  
4 Sheets of drawings.

☒ Executed Inventor's Declaration

The Government filing fee\* is calculated as follows:

Total Claims . . . . .	20. - .20 = .0.	.x. \$18.00 = \$	.0.00
Independent Claims . . . . .	3 - 3 = 0	x \$86.00 = \$	0.00
Base Fee . . . . .			\$770.00
Multiple Dependent Claim Fee (\$290.00) . . . . .			\$ 0.00
Subtotal . . . . .			\$770.00

**TOTAL FILING FEE\***

(accounting for possible small entity status) . . . **\$ 770.00**



- ☐ Preliminary Amendment reducing filing fees is submitted herewith
- ☐ \*Reduced by one-half, as applicant(s) is/are a "small entity".  
A Declaration Claiming Small Entity Status:
- ☐ Foreign priority is claimed under 35 U.S.C. § 119 from \_\_\_\_\_  
Patent Application(s) No. \_\_\_\_\_ dated \_\_\_\_\_.
- ☐ Priority document(s) will be submitted at a later date.
- ☐ A copy of the Priority document(s) is/are submitted herewith.
- ☐ Executed Declaration(s) will be submitted at a later date pursuant to 37 CFR § 1.41 and § 1.53, with an appropriate surcharge under 37 CFR § 1.16(e).
- ☒ Formal drawing(s) is/are attached.
- ☐ Formal drawing(s) will be submitted at a later date.
- ☒ Assignment document(s) is/are submitted herewith; the recordation fee of \$40.00 per document is enclosed herewith.
- ☐ A Verified Translation will be submitted at a later date.
- ☐ No payment is enclosed at this time. Full payment will be made when the executed Declaration is submitted.
- ☒ Submitted herewith is a check in the amount of \$ 770.00. The Commissioner is hereby authorized to charge any deficiency or credit any excess to Deposit Account No. 14-0112.

Respectfully submitted,

NATH & ASSOCIATES PLLC

  
Harold L. Novick

Registration No. 26,011

Date : December 2, 2003 Customer No. 20,529

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Chung-Ju WU et al.

Serial No. Not Yet Assigned

Filed: December 2, 2003

For: **BALL GRID ARRAY PACKAGE WITH HEAT SINK DEVICE**

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- (1) Transmittal Letter;
- (2) Transmittal For New U.S. Patent Application  
PTO form 1082-  
25 Pages Application Consisting of:  
14 Pages of Textual Specification  
6 Pages of 20 Claims  
1 Abstract of the Disclosure  
4 Sheets of drawings.
- (3) Executed Inventor's Declaration;
- (4) Assignment and Cover Sheet;
- (5) Check No. 19880 in the Amount of \$770.00;
- (6) Check No. 19881 in the Amount of \$ 40.00; and
- (7) Early Notification Serial Number Postcard.

Please charge any required fee, or credit any overpayment, in connection with this matter to Deposit Account No. 14-0112.

Respectfully submitted,

NATH & ASSOCIATES PLLC



Harold L. Novick  
Registration No. 26,011  
Customer No. 20529

Date: December 2, 2003

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